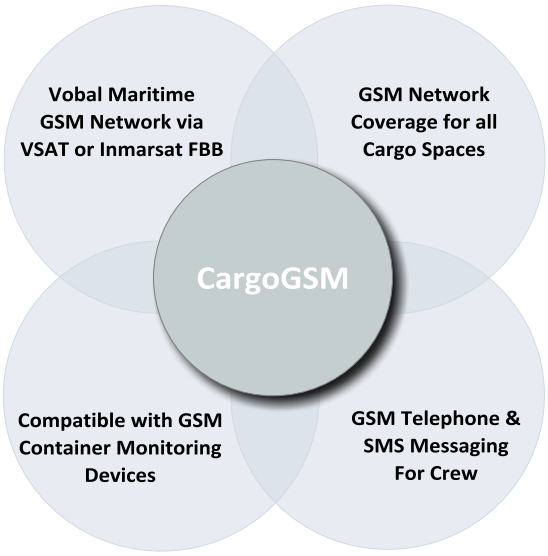
# Introducing CargoGSM™

## Maritime GSM Infrastructure for Container Monitoring & M2M Applications

Vobal Technologies expands its GSM Network coverage to include all cargo spaces – above and below deck.

Vobal Maritime GSM service enables Container Monitoring Devices to operate just as they do on land…

…***while the vessel is at sea!***



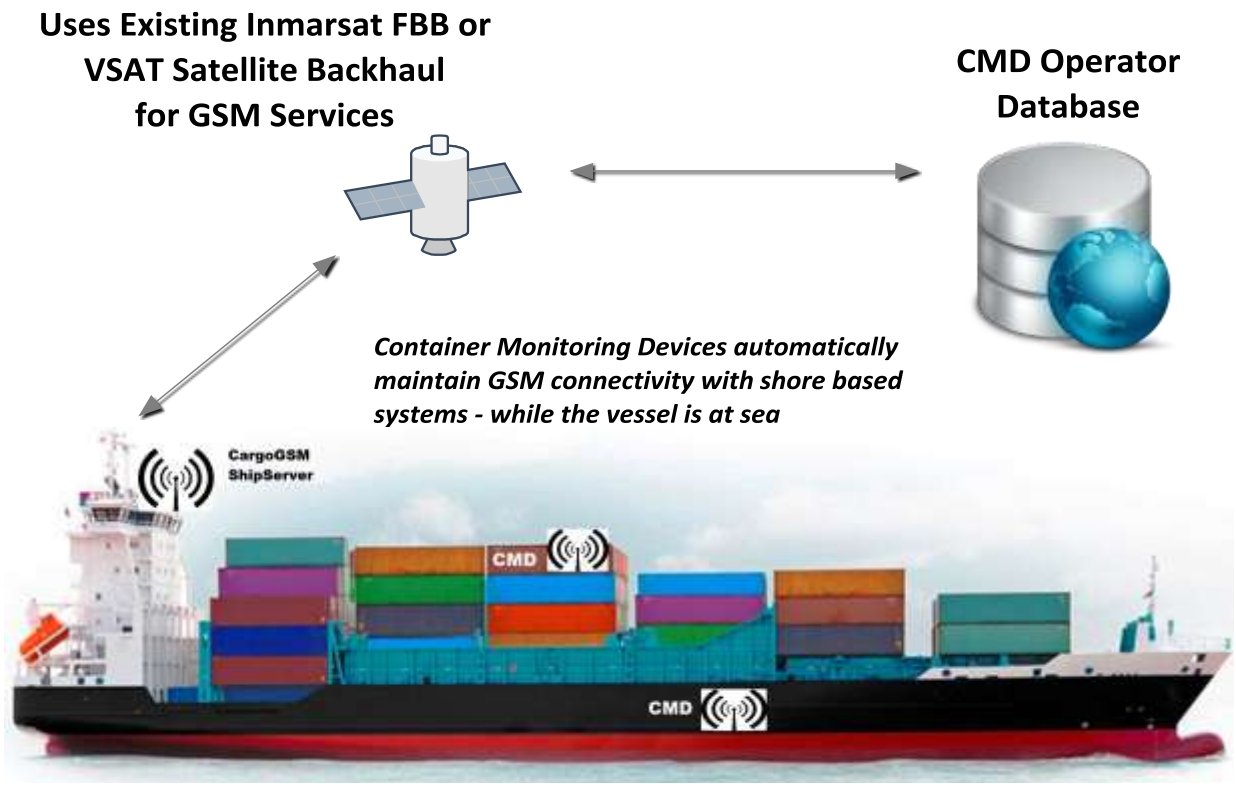

## Vobal's CargoGSM™ Solution Overview

Vobal Maritime GSM Network coverage is extended throughout the vessel's cargo spaces – above and below deck. The 900 MHz GSM Network enables a Container Monitoring Device (CMD) to reliably transmit and receive data via GPRS and optionally SMS.

CMD Data such as reefer status and events, set/supply/return temperatures, USDA probe temperatures, and other alerts can be delivered to multiple destinations, e.g., shoreside servers and shipboard applications.

CargoGSM facilitates M2M signaling, allowing remote interaction with reefers to securely change set points, start/stop pre-trips and order data log downloads. This minimized the need for crew involvement for routine maintenance and monitoring.

Reefer Alarms can also be sent directly to the on duty Crewmember's GSM Mobile phone, stimulating swift corrective action and problem resolution. With additional systems integration, this capability can be available even if the satellite backhaul circuits are temporarily down.




**Complete GSM Wireless Coverage**
**of vessel's cargo spaces**
***above & below deck***

## CargoGSM: the most efficient container tracking system

The CargoGSM system utilizes the Vobal Maritime GSM Network at sea, in international waters. Utilizing Vobal's core GSM technology, which was developed specifically for use at sea, the CargoGSM system uses significantly less bandwidth than other systems. Furthermore, unlike other systems, Vobal's CargoGSM system works over FleetBroadband's Standard IP channel and does not require an upgrade to VSAT.

## Tracking. Monitoring. Controlling.

## Now at sea.

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